Supplementary Materials:

Table S1. *Associations between personality traits at age 26 and the constituent clinical indicators of the index of poor physical health at age 38*

The table shows that individuals low in Conscientiousness and low in Openness-to-Experience were at greater health-risk across multiple clinical indicators. Descriptions of the cutoffs for each clinical indicator are detailed in **Table 2**. All analyses controlled for sex.

Clinical Indicator	Extraversion			Agreeableness			Neuroticism			Conscientiousness			Openness-to-Experience		
	OR	[95% CI]	pvalue	OR	[95% CI]	pvalue	OR	[95% CI]	pvalue	OR	[95% CI]	pvalue	OR	[95% CI]	pvalue
Metabolic Abnormalities															
Obesity (cm)	0.95	[0.80 - 1.13]	0.545	1.00	[0.85 - 1.18]	0.970	0.96	[0.82 - 1.14]	0.673	0.84	[0.71 - 0.99]	0.038 +	0.85	[0.72 - 1.01]	0.059 +
HDL (mmol/L)	0.94	[0.80 - 1.09]	0.391	0.93	[0.80 - 1.09]	0.387	0.98	[0.84 - 1.16]	0.849	0.82	[0.69 - 0.96]	0.013 +	0.95	[0.81 - 1.11]	0.507
Triglycerides (mmol/L)	0.97	[0.83 - 1.14]	0.748	0.96	[0.83 - 1.13]	0.651	1.00	[0.85 - 1.17]	0.986	0.86	[0.73 - 1.01]	0.075 +	1.03	[0.88 - 1.21]	0.673
Blood Pressure (mmHg)	0.96	[0.82 - 1.12]	0.566	1.00	[0.86 - 1.17]	0.977	1.05	[0.90 - 1.22]	0.525	1.00	[0.85 - 1.18]	0.993	0.89	[0.76 - 1.04]	0.146
Glycated Hemoglobin (%)	0.84	[0.70 - 1.01]	0.061 +	0.89	[0.75 - 1.07]	0.207	1.13	[0.94 - 1.36]	0.202	0.95	[0.79 - 1.14]	0.586	0.90	[0.75 - 1.09]	0.278
Cardiorespiratory Fitness (VO_2 max)	0.90	[0.75 - 1.07]	0.212	0.88	[0.74 - 1.05]	0.158	1.10	[0.93 - 1.31]	0.259	0.83	[0.70 - 0.99]	0.036 +	0.85	[0.73 - 1.01]	0.058 +
Pulmonary Function (FEV1/FVC ratio)	0.86	[0.64 - 1.14]	0.297	1.00	[0.74 - 1.35]	1.000	1.10	[0.86 - 1.41]	0.448	0.95	[0.72 - 1.27]	0.747	0.70	[0.52 - 0.95]	0.020 +
Periodontal Disease (sites with 5+mm CAL)	0.84	[0.71 - 0.99]	0.035 +	0.80	[0.68 - 0.94]	0.006 +	1.21	[1.03 - 1.42]	0.018 +	0.77	[0.65 - 0.91]	0.002 +	0.83	[0.70 - 0.99]	0.033 +
Systemic Inflammation (hsCRP mg/L)	0.98	[0.81 - 1.18]	0.835	0.92	[0.78 - 1.09]	0.332	1.15	[0.98 - 1.36]	0.095 +	0.91	[0.77 - 1.08]	0.295	0.94	[0.80 - 1.11]	0.479

'+' Denotes association significant at the level *p*<0.1